

## Standards Actions July 2003

Visit the Technical Standards  
Program Web Site at  
<http://tis.eh.doe.gov/techstds/>



### DOE Technical Standards Program Document Status

06-30-2003

#### Activity Summary

In Conversion – 4

In Preparation – 52

Out for Comment – 34

Published this Month – 2



#### 5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 9

Cancellation Pending – 19

Cancellation in Progress – 4

No Current Action – 0

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# STANDARDS ACTIONS



## DOE Technical Standards Projects Initiated

Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on "DOE Technical Standards," then click on "Projects" in the left-hand frame to show the links to the project lists. No new projects were initiated this month.

## DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web site. If you wish to comment on these document, please notify your TSM.

- *Guide to Good Practices for Operational Readiness Reviews (ORR) Team Leader's Guide* (revision to DOE-HDBK-3012-96), Project Number OPER-004, contact: Jeffry L. Roberson, NNSA Service Center; phone 301-903-8026; fax 301-903-7065; e-mail [Jeffry.Roberson@nnsa.doe.gov](mailto:Jeffry.Roberson@nnsa.doe.gov). Comments are due August 8, 2003.
- *Deactivation & Decommissioning Functional Area Qualification Standard*, Project Number TRNG-0025, contact: Joseph Arango, EM-3; phone 202-586-7599; fax 202-586-4314; e-mail [Joseph.Arango@em.doe.gov](mailto:Joseph.Arango@em.doe.gov). Comments are due August 15, 2003. **Note:** This document is not applicable to contractor personnel so they are not expected to comment.
- *Nuclear Explosive Safety Functional Area Qualification Standard*, Project Number TRNG-0039, contact: M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; e-mail [Norm.Schwartz@eh.doe.gov](mailto:Norm.Schwartz@eh.doe.gov). Comments are due August 14, 2003.

## DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web site:

- DOE-STD-1161-2003, *Mechanical Systems Functional Area Qualification Standard*, June 2003.
- DOE-STD-1162-2003, *Instrumentation and Control Functional Area Qualification Standard*, June 2003.

Published DOE Standards (DOE Standards, Specifications, Handbooks, and Technical Standards lists) may be obtained as follows:

**DOE employees and DOE contractors** may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; phone 800-473-4375, fax 301-903-9823.

**Subcontractors and the general public** may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; phone 703-605-6000, fax 703-605-6900.

Copies are also available on the TSP Web site.

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## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at [http://web.ansi.org/rooms/room\\_14/](http://web.ansi.org/rooms/room_14/). Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or [sbose@ansi.org](mailto:sbose@ansi.org).

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112; phone 800-854-7179; fax 303-397-2740, [global@ihts.com](mailto:global@ihts.com), <http://global.ihts.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASME B16.34-200x, *Valves – Flanged, Threaded, and Welding End* (revision of ANSI/ASME B16.34-1996) – August 5, 2003.
- ASME B20.1-200x, *Safety Standard for Conveyors and Related Equipment* (revision of ANSI/ASME B20.1-2000) – August 4, 2003.
- ASME BPVC Revision-200x, *ASME Boiler and Pressure Vessel Code* (revision of ANSI/ASME BPVC Revision: 2001 Edition) – August 4, 2003.
- ASTM E84-200x, *Test Method for Surface Burning Characteristics of Building Materials* (revision of ANSI/ASTM E84-2000a (R2001)) – July 28, 2003.
- ASTM E329-200x, *Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction* (revision of ANSI/ASTM E329-2002a) – July 28, 2003.

- ASTM E2307-200x, *Test Method for Determining the Fire-Endurance of Perimeter Fire Barrier Systems Using the Intermediate-Scale, Multi-Story Test Apparatus* (new standard) – July 28, 2003.
- C63.4-200x, *Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz* (revision of ANSI C63.4-2000) – July 28, 2003.
- IPC 2501-200x, *Definition for Web-Based Exchange of XML Data* (new standard) – July 21, 2003.
- N42.20-200x, *Performance Criteria for Active Personnel Radiation Monitors* (revision of ANSI N42.20-1995) – August 12, 2003.
- S12.11/2-200x, *Acoustics – Measurement of Noise and Vibration of Small Air-Moving Devices – Part 2: Structure-Borne Vibration* (new standard) – July 21, 2003.
- TIA 664-804-200x, *Wireless Features Description – Enhanced Security Services* (new standard) – July 21, 2003.
- UL 514B-200x, *Standard for Safety for Conduit, Tubing, and Cable Fittings* (new standard) – August 4, 2003.
- UL 2250-200x, *Instrumentation Tray Cable* (new standard) – July 28, 2003.

**The following American National Standards have been approved for publication.** Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown.)

- ANSI/ASHRAE 62z-2003, *Ventilation and Acceptable Indoor Air Quality in Commercial, Institutional, and High-Rise Residential Buildings, Addenda z* (supplement to ANSI/ASHRAE 62-1999) – June 4, 2003.
- ANSI/ASME OMB-S/G-2003, *Standards and Guides of Operation Maintenance of Nuclear Power Plants* (revision of ANSI/ASME OMB-S/G-2002) – June 4, 2003.
- ANSI/ASME OMB Code-2003, *Code for Operation and Maintenance of Nuclear Power Plants* (revision of ANSI/ASME OMB Code-2001) – June 4, 2003.
- ANSI/ASTM E2255-2003, *Practice for Conducting Visual Assessments for Lead Hazards in Buildings* (new standard) – May 10, 2003.
- ANSI/ASTM E2257-2003, *Room Fire Test of Wall and Ceiling and Assemblies* (new standard) – May 10, 2003.
- ANSI/ASTM E2270-2003, *Practice for Periodic Inspection of Building Facades for Unsafe Conditions* (new standard) – May 10, 2003.
- ANSI/AWS C5.5/C5.5M-2003, *Recommended Practices for Gas Tungsten Arc Welding* (revision of ANSI/AWS C5.5/C5.5M-80 (R1994)) – June 4, 2003.

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- ANSI/UL 781-2003, *Portable Electric Lighting Units for Use in Hazardous (Classified) Locations* (new standard) – May 30, 2003.

**The following international standards are currently in coordination** (comment due dates follow each entry):

- ISO/AWI 16269-2, *Statistical interpretation of data – Part 2: Presentation of statistical data* – August 27, 2003.
- ISO/DIS 1996-2, *Acoustics – Description, assessment and measurement of environmental noise – Part 2: Determination of environmental noise levels* – August 30, 2003.
- ISO/DIS 7225, *Gas cylinders – Precautionary labels* – August 30, 2003.
- ISO/DIS 11622, *Gas cylinders – Conditions for filling gases into cylinders* – August 30, 2003.
- ISO/DIS 18589-1, *Measurement of radioactivity in the environment – Soil – Part 1: General guide and definitions* – September 4, 2003.
- ISO/DIS 21247, *Quality plans for product acceptance – Combined accept-zero and control procedures* – August 30, 2003.

**The following newly published international standards are available:**

- ISO 16104:2003, *Packaging – Transport packaging for dangerous goods – Test methods*.
- ISO 17652-1:2003, *Welding – Test for shop primers in relation to welding and allied processes – Part 1: General requirements*.
- ISO/TS 20885:2003, *Gaseous media fire-extinguishing systems – Area coverage fire test procedure – Engineered and pre-engineered extinguishing units*.

## American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

### Acoustical Society of America (ASA)

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Fax:** 631-390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org)

- S 12.68-200x, *Use of Hearing Protector Attenuation Data to Estimate Protected Exposures* (new standard).

### American Society of Civil Engineers (ASCE)

**Office:** 1801 Alexander Bell Drive  
Reston, VA 20191

**Contact:** Jim Rossberg

**Fax:** 703-285-6361

**E-mail:** [jrossberg@asce.org](mailto:jrossberg@asce.org)

- ASCE xx-200x, *Design and Construction of Blast Resistant Buildings* (new standard).

### American Society of Mechanical Engineers (ASME)

**Office:** 3 Park Avenue, 20th Floor  
New York, NY 10016

**Contact:** Silvana Rodriguez-Bhatti

**Fax:** 212-591-8501

**E-mail:** [rodriguezs@asme.org](mailto:rodriguezs@asme.org)

- ASME PTC 36-200x, *Measurement of Industrial Sound* (revision of ANSI/ASME PTC 36-1985 (R1998)).

### American Welding Society (AWS)

**Office:** 550 N.W. LeJeune Road  
Miami, FL 33126

**Contact:** Leonard Connor

**Fax:** 305-443-5951

**E-mail:** [lconnor@aws.org](mailto:lconnor@aws.org) or [roneill@aws.org](mailto:roneill@aws.org)

- Z49.1-200x, *Safety in Welding, Cutting, and Allied Processes* (revision of ANSI Z49.1-1999).

### Association for Manufacturing Technology (AMT)

**Office:** 7901 Westpark Drive  
McLean, VA 22102-4206

**Contact:** David Felinski

**Fax:** 703-893-1151

**E-mail:** [dfelinski@mfgtech.org](mailto:dfelinski@mfgtech.org)

- B11.16-200x, *Safety Requirements for Metal Powder Compacting Presses* (MPIF #47) (new standard).

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## Society of Automotive Engineers (SAE)

**Office:** 400 Commonwealth Drive  
Warrendale, PA 15096-0001

**Contact:** Aleita Wilson

**Fax:** 724-776-0243

**E-mail:** aleita@sae.org

- SAE J1616-200x, *Compressed Natural Gas Vehicle Fuel* (revision of ANSI/SAE J1616-FEB94).
- SAE J2644-200x, *Liquefied Natural Gas (LNG) Vehicle Fuel* (new standard).

# ASTM International

Standards activities of ASTM International (ASTM) are published monthly in ASTM *Standardization News*. Orders for subscriptions or single copies of ASTM *Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, fax 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585, fax 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, fax 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

**The following ASTM standards are currently in coordination (the due date for all items is July 10, 2003):**

- New Standard, *Guide for Materials Handling Equipment for Hot Cells* (Ref. C1554).
- New Standard, *Guide for Characterization of Radioactive and/or Hazardous Wastes for Thermal Treatment* (Ref. C1571).
- New Standard, *Test Method for Determining the Fire-endurance of Perimeter Fire Barrier Systems Using the Intermediate-scale, Multi-story Test Apparatus* (Ref. E2307).
- New Standard, *Guide for Waste Management Plans for Decommissioning Nuclear Facilities* (Ref. E2305).
- C 1030-95(2001), *Specification for Boron-based Neutron Absorbing Material Systems for Use in Nuclear Spent Fuel Storage Racks* (revised standard).
- C 1068-96E01, *Guide for Qualification of Measurement Methods by a Laboratory Within the Nuclear Industry* (revised standard).

- C 1215-92(1997), *Guide for Preparing and Interpreting Precision and Bias Statements in Test Method Standards Used in the Nuclear Industry* (revised standard).
- C 1233-98, *Practice for Determining Equivalent Boron Contents of Nuclear Materials* (revised standard).
- C 1297-95E01, *Guide for Laboratory Analysts for the Analysis of Nuclear Fuel Cycle Materials* (revised standard).
- C 1334-96(2000), *Specification for Uranium Oxides with a 235-U Content of Less Than 5% for Dissolution Prior to Conversion to Nuclear-grade Uranium Dioxide* (revised standard).
- E 1445-02 (includes change to title), *Terminology Relating to Hazardous Potential of Chemicals* (revised standard).

**The following newly published standards are available from ASTM:**

- C 1207-03, *Test Method for Nondestructive Assay of Plutonium in Scrap and Waste by Passive Neutron Coincidence Counting* (revised standard).
- D 3911-03, *Test Method for Evaluating Coatings Used in Light-Water Nuclear Power Plants at Simulated Design Basis Accident (DBA) Conditions* (revised standard).
- E 262-03, *Test Method for Determining Thermal Neutron Reaction and Fluence Rates by Radioactivation Techniques* (revised standard).
- F 2114-02, *Guide for ASTM Standard Test Methods, Standard Practices, and Typical Values of a Membrane Switch* (new standard).

## Comments, Questions, and Addresses

**Comments:** If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), Phone 301-903-2856, Fax 301-903-6172, [Richard.Serbu@eh.doe.gov](mailto:Richard.Serbu@eh.doe.gov).

**Addresses:** *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.ohio.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, Phone 865-574-0398, Fax 865-574-8481, [queenerds@ornl.gov](mailto:queenerds@ornl.gov).

**Technical Standards Activities:** The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, [queenerds@ornl.gov](mailto:queenerds@ornl.gov).